

1997 Summary of Indiana Solid Waste Facility Data

Indiana Department of Environmental Management
Office of Solid and Hazardous Waste Management
100 North Senate Avenue - P.O. Box 6015
Indianapolis, Indiana 46206-6015



The *1997 Summary of Indiana Solid Waste Facility Data* is the sixth in the series of annual reports of solid waste facility activities in Indiana. The information is compiled from solid waste facility quarterly reports submitted to the Indiana Department of Environmental Management (IDEM). The IDEM Office of Solid and Hazardous Waste Management publishes the *1997 Summary of Indiana Solid Waste Facility Data* to provide information to the public about solid waste processing and disposal activities in Indiana. This report was prepared by staff of the Waste Data Analysis and Planning Section.

<i>Authors:</i>	Minerva Mercado Feliciano Richard Worth
------------------------	--

<i>Contributors:</i>	Dan Chesterson
-----------------------------	----------------

<i>Project Coordinator:</i>	Minerva Mercado Feliciano
------------------------------------	---------------------------

For additional information or to obtain additional copies of this report, please call the IDEM Office of Solid and Hazardous Waste Management at (317) 233-3834.

An electronic version of this document is available at
<http://www.ai.org/idem/oshwm>

Table of Contents

INTRODUCTION	1
SOLID WASTE DATA FRAMEWORK	3
Solid Waste Types	3
Solid Waste Facilities	3
Origin of Waste	7
SOLID WASTE LAND DISPOSAL FACILITIES	9
Municipal Solid Waste Landfills	11
Other Solid Waste Land Disposal Facilities	15
SOLID WASTE PROCESSING FACILITIES	19
Solid Waste Incinerators	19
Transfer Stations	20
Other Processing Facilities	21
OUT-OF-STATE WASTE	23
1997 SOLID WASTE FACILITY PROFILES	P1 - P105
(Ordered alphabetically by county location of facility)	

List of Figures

Figure 1: Solid Waste Categories in Facility Quarterly Reports Since 1996	4
Figure 2: Municipal Solid Waste Landfill Ownership by Percent during 1997	7
Figure 3: Waste Disposal Pathways	7
Figure 4: Disposal of Solid Waste by Landfill Type during 1997	9
Figure 5: Disposal of Solid Waste by Waste Type during 1997	9
Figure 6: Annual Disposal at All Solid Waste Land Disposal Facilities	11
Figure 7: Disposal of Solid Waste at Municipal Solid Waste Landfills by Waste Type during 1997	11
Figure 8: Annual Disposal at Municipal Solid Waste Landfills	12
Figure 9: Annual Disposal at Municipal Solid Waste Landfills by Waste Origin	12
Figure 10: Distribution of Disposal at Municipal Solid Waste Landfills during 1997	13
Figure 11: Annual Disposal at Construction-Demolition Landfills by Waste Origin	15
Figure 12: Annual Disposal at Restricted Waste Landfills by Waste Type	16
Figure 13: Transfer Station Waste Management	20
Figure 14: Destination of Waste Sent from Transfer Stations during 1997	21
Figure 15: Annual Waste Imports by Region of Origin	21
Figure 16: Annual Waste Imports by State of Origin	23
Figure 17: Annual Amount of Out-of-State Waste Received by Solid Waste Facilities	25
Figure 18: Distribution of Disposal of Out-of-State Waste Received at Indiana Final Disposal Facilities	27
Figure 19: Origin of Waste Disposed and Incinerated in Indiana during 1997	29

List of Tables

Table 1:	Sources of Solid Waste Data	2
Table 2:	Solid Waste Classification Guide during 1997	4
Table 3:	Number of Solid Waste Facilities Which Operated during 1997	5
Table 4:	Types of Landfills and Incinerators	5
Table 5:	Disposal of Solid Waste by Landfill Type and Waste Type during 1997	9
Table 6:	Annual Disposal at Solid Waste Land Disposal Facilities by Landfill Type and Waste Type (Includes waste imports to Indiana)	10
Table 7:	Annual Disposal at Solid Waste Land Disposal Facilities by Landfill Type and Waste Type (Excludes waste imports to Indiana)	10
Table 8:	Total Disposal at Municipal Solid Waste Landfills during 1997	14
Table 9:	Total Disposal at Construction-Demolition Landfills during 1997	15
Table 10:	Total Disposal at Restricted Waste Landfills during 1997	16
Table 11:	Total Disposal at Nonmunicipal Solid Waste Landfills during 1997	17
Table 12:	Solid Waste Received by Processing Facilities by Waste Type during 1997	19
Table 13:	Annual Amount of Solid Waste Received by Processing Facility Type and Waste Type	19
Table 14:	Total Waste Received at Incinerators during 1997	20
Table 15:	Destination of Waste Sent from Transfer Stations for Final Disposal	21
Table 16:	Out-of-State Waste Received during 1997	24
Table 17:	Amount of Out-of-State Waste Received by Solid Waste Facilities by Facility Type and Waste Type during 1997	25
Table 18:	Annual Amount of Out-of-State Waste Received by Solid Waste Facilities by Facility Type and Waste Type	26
Table 19:	Total Out-of-State Waste Received by Facility during 1997	28
Table 20:	Out-of-State Waste Received by Indiana Solid Waste Facilities during 1997	30

INTRODUCTION

This report is the sixth annual summary of Indiana's solid waste facility data. It is intended to provide information about Indiana's solid waste management. The report provides solid waste facility information for 1997 and contains:

- # a summary of existing solid waste facilities;
- # a summary of the amount, origin, and types of solid waste received at land disposal facilities and processing facilities; and
- # a summary of out-of-state waste imports.

This report was compiled from the solid waste facility quarterly reports submitted to IDEM by owners and operators of facilities which manage non-hazardous solid waste. Rules passed by the Solid Waste Management Board require all solid waste land disposal facilities (329 IAC 10-14-1) and processing facilities (329 IAC 11-14-1) to submit information to IDEM on a quarterly basis describing the origin, type, and amount of solid waste received by these facilities. Processing facilities must also report the amount and destination of that are transported off-site for recovery or disposal. Reports submitted to IDEM are on file and available for public review in the Office of Solid and Hazardous Waste Management.

This report emphasizes graphs, tables, and figures; discussion text is included only as necessary to guide the reader through the report and to provide a context for the graphs and tables. Several sections that were included in previous releases of this report are not present in this year's report. Much of the information in these sections has been duplicated from year to year and/or is available in other IDEM publications. Table 1 shows how to obtain this information in addition to other information that may interest readers of this report.

Previous reports summarized municipal solid waste (MSW) landfill capacity from amounts reported by facilities or from estimates made by IDEM. Beginning in 1996, landfills are required by legislation to submit contour maps annually based on surveys conducted between October 1 and December 31 of each year. IDEM uses this information to calculate accurate and precise totals for both airspace and waste capacity. Capacity data for 1996 and 1997, for MSW landfills is expected to be available in a separate IDEM report that should be available by Fall 1998.

In 1996, IDEM began utilizing revised report forms to provide more detailed nonmunicipal waste information. Changes included the addition of waste categories for foundry wastes, coal ash, and flue gas desulfurization by-products. Prior to 1996, this report summarized nonmunicipal waste only as construction-demolition waste and special/other waste. Because of this, certain nonmunicipal waste types reported since 1996 could not be compared with previous years since those types were not individually reported. Therefore, annual comparisons of disposal by waste type is grouped by municipal waste and nonmunicipal waste in this report. However, information concerning solid waste disposal since 1996 includes all reported waste types.

Table 1. Sources of Solid Waste Data

Information Available	Description	Contact
Land disposal facility quarterly reports	Origin, type, and tonnage of solid waste received	Minerva Mercado (317) 233-3834
Processing facility quarterly reports	Origin, type, and tonnage of solid waste received and destination information	Minerva Mercado (317) 233-3834
Special waste quarterly reports	Type and generator of certified and generic special waste received at Indiana land disposal facilities	Marcia Earl (317) 233-2823
Composting facility annual reports	Type and volume of compost received and processed	Minerva Mercado (317) 233-3834
Transfer station inspection annual reports	Results from inspections of incoming waste for special, infectious, and hazardous waste	Kristi Dixon (317) 233-5161
Waste tire storage facility annual reports	On-site summary of incoming and outgoing tires	Steve Poe (317) 232-7205
Municipal waste transportation manifests	Waste generation, transportation, and disposal information that accompanies waste from processing facilities for final disposal	Dan Chesterson (317) 233-5751
Indiana MSW landfill disposal capacity reports	Remaining air space and disposal space at Indiana land disposal facilities	Richard Worth (317) 233-5156
Solid waste management fee reports (IDOR)	Monthly report showing fees collected for solid waste disposed at final disposal facilities	Pat Williams (317) 232-1859
Solid waste disposal fee reports (IDEM)	Semi-annual report showing fees collected for the disposal of specific types of solid waste	Pat Beeler (317) 233-0408
Solid waste management district annual reports	Information on district programs and activities	Dan Chesterson (317) 233-5751
Indiana solid waste diversion goals	Indiana's progress toward meeting its 35%/50% solid waste diversion goals	Minerva Mercado (317) 233-3834
Permitted solid waste facilities list	List of permitted solid waste facilities in Indiana	Debbie Baker (317) 232-0066

SOLID WASTE DATA FRAMEWORK

Several factors must be considered when discussing solid waste disposal in Indiana:

- # type and quantity of the waste disposed;
- # type and ownership of the facility which received the waste; and
- # origin of the waste received.

The following pages give an overview of key concepts necessary for understanding solid waste disposal data.

Solid Waste Types

Solid waste can be broadly categorized as either hazardous waste or non-hazardous waste. This report deals only with **non-hazardous waste**, which can be further broken down into municipal solid waste and all other non-hazardous solid waste. **Municipal solid waste**, or MSW, is any solid waste generated by community activities or the operation of residential or commercial establishments (329 IAC 10-2-115). Non-hazardous waste that is not MSW has been historically subdivided into categories such as **construction-demolition debris**, **special waste**, and other “nonmunicipal” waste types. In 1996, several categories of solid waste were added to the Facility Quarterly Report forms to provide more detailed waste information. Figure 1 shows the solid waste categories used since 1996. A more detailed explanation of these types is provided in Table 2.

Solid Waste Facilities

Solid waste facilities in Indiana fall into two broad permit categories: land disposal facilities and processing facilities. Each category can be further subdivided. Land disposal facilities are subdivided into four types: municipal solid waste (MSW) landfills, construction-demolition sites, restricted waste landfills (types 1 through 4), and nonmunicipal solid waste landfills. Solid waste processing facilities permitted by IDEM can be incinerators, transfer stations, solid waste balers, solid waste shredders, resource recovery systems, or garbage grinding facilities (329 IAC 11-2-43). Table 3 summarizes the number of permitted solid waste facilities that submitted data reports to IDEM during 1997.

Land Disposal Facilities

Municipal solid waste landfills (MSWLFs) can accept a wide range of solid wastes disposed from residential, commercial, institutional, and industrial sources, except hazardous waste regulated under 329 IAC 3.1. Special waste can be accepted at MSWLFs only in accordance with 329 IAC 10-8. Of the four landfill types, only MSWLFs can accept municipal solid wastes (Table 4).

Construction-demolition sites accept only construction or demolition waste materials (329 IAC 10-9-3).

Table 2. Solid Waste Classification Guide during 1997

TYPE	GENERAL CATEGORIES	EXAMPLES
Municipal Solid Waste (MSW)	<ul style="list-style-type: none"> • Residential <ul style="list-style-type: none"> - Single- and multi-family units - Other (campgrounds, parks, etc.) • Commercial <ul style="list-style-type: none"> - Retail and wholesale - Service industry • Institutional <ul style="list-style-type: none"> - Prisons, hospitals, schools, and universities - Government sector • Industrial non-process / municipal <ul style="list-style-type: none"> - Offices, lunchrooms, restrooms - Shipping / Receiving activities 	<ul style="list-style-type: none"> - Consumer goods - Packaging wastes - Food wastes - Office wastes - Yard trimmings / vegetation - White goods (appliances) - Automobile parts - Waste tires - Small animal carcasses - Medical wastes - Household hazardous wastes (includes oil, batteries, etc.) - Treated Infectious wastes - Used pallets - Cardboard - Furniture - Exempt special wastes (generated by a single generator in quantities less than 100 kilograms per month and disposed of in quantities less than 100 kilograms per shipment) - CESQG wastes
C/D	<ul style="list-style-type: none"> • Construction / Demolition - Construction industry - Demolition companies 	<ul style="list-style-type: none"> - Uncontaminated solid waste resulting from the construction, remodeling, repair or demolition of structures. For example: <ul style="list-style-type: none"> ..Scrap lumber, wallboard .. Roofing materials - CESQG wastes .. Plumbing and electrical fixtures .. Bricks, concrete, glass .. Non-asbestos insulation
Foundry	<ul style="list-style-type: none"> • Foundry Waste 	<ul style="list-style-type: none"> - Waste sand, slag, sludge, core waste, dust fines, etc.
Special Other	<ul style="list-style-type: none"> • Special (excluding foundry wastes) <ul style="list-style-type: none"> - Industrial process - Pollution control - Sludges - Waste requiring special waste certification 	<ul style="list-style-type: none"> - Spill cleanup wastes (petroleum cont. Soil, etc.) - Manufacturing process wastes (resins, oxides, etc.) - Water / wastewater sludges - Asbestos-containing wastes - Incinerator residues - Industrial sludges - Low-level PCB wastes - Wastes mixed with special wastes
Coal Ash	<ul style="list-style-type: none"> • Coal Ash 	<ul style="list-style-type: none"> - Coal ash - Fly ash, bottom ash, etc. - Ash resulting from the combustion of coal
FGD Waste	<ul style="list-style-type: none"> • Flue gas desulfurization byproducts 	<ul style="list-style-type: none"> - Scrubber / FGD sludge - Pollution control sludges resulting from coal combustion
Other	<ul style="list-style-type: none"> • Any other solid waste not regulated as any of the above. 	<ul style="list-style-type: none"> - Oil / gas/ mining wastes - Pesticide containers - Railroad ties

CESQG = conditionally exempt small quantity generator

PCB = polychlorinated biphenyl

FGD = flue gas desulfurization

Figure 1. Solid Waste Categories in Facility Quarterly Reports since 1996

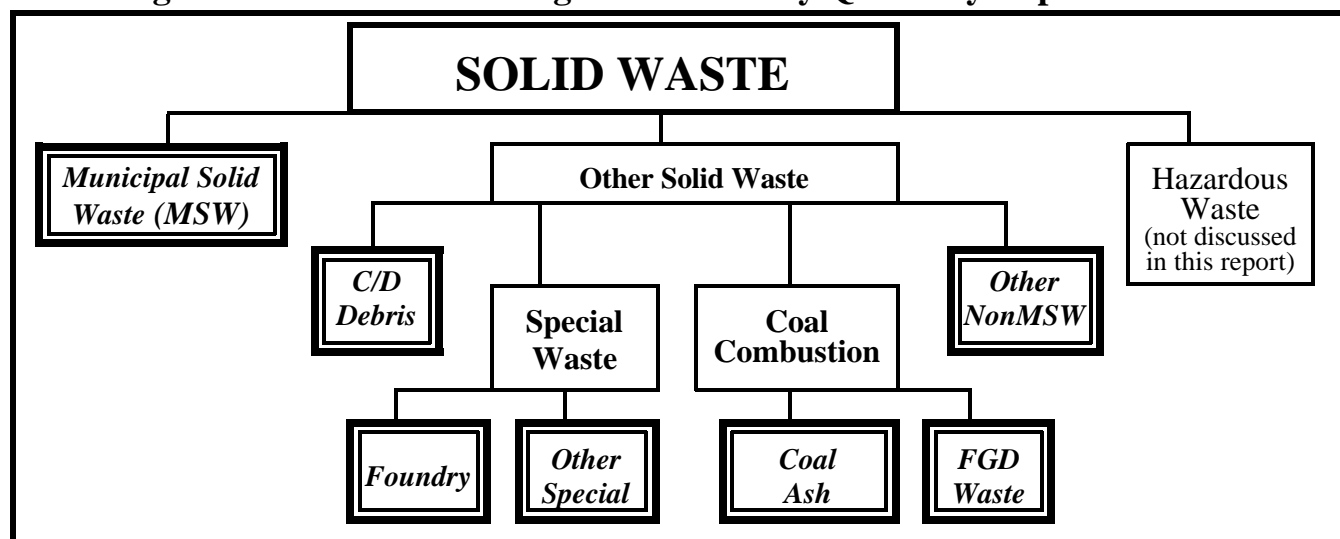


Table 3. Number of Solid Waste Facilities Which Operated during 1997

A. Land Disposal Facilities

Municipal Solid Waste Landfills	45
• <i>Privately Owned</i>	28
• <i>Publicly Owned</i> ⁽¹⁾	17
Construction-Demolition Sites ⁽²⁾	10
Restricted Waste Landfills ⁽³⁾	21
Nonmunicipal Solid Waste Landfills ⁽³⁾	4
TOTAL	80

(1) Includes Belmont Ash Monofill which receives municipal incinerator ash.

(2) Some facilities are captive sites.

(3) All facilities are captive sites.

(4) Incinerators designed to accept at least 10 tons per day.

B. Processing Facilities

Solid Waste Incinerators ⁽⁴⁾	3
• <i>Municipal</i>	1
• <i>Industrial</i> ⁽³⁾	1
• <i>Hospital</i>	1
Transfer Stations	54
• <i>Privately Owned</i>	40
• <i>Publicly Owned</i>	14
Paper Processing/Recycling	1
TOTAL	58

Table 4. Types of Landfills and Incinerators

A. Landfills

Type	Acceptable Wastes	Data reported to IDEM
Municipal Solid Waste Landfill	Municipal waste, construction-demolition debris, special wastes, industrial wastes, other non-municipal wastes	Yes
Construction-Demolition Site	Construction-demolition debris only (unless otherwise approved by IDEM)	Yes
Restricted Waste Landfill	Non-municipal waste(s) specified in permit	Yes
Nonmunicipal Solid Waste	Wastes other than residential and commercial wastes	Yes

B. Incinerators

Type	Acceptable Wastes	Data reported to IDEM
Large solid waste	Municipal waste, construction-demolition debris, special wastes, industrial wastes, other non-municipal wastes	Yes
Small solid waste ⁽¹⁾	Municipal waste, construction-demolition debris, special wastes, industrial wastes, other non-municipal wastes	No
Large infectious waste	Infectious waste (may also accept certain non-infectious waste)	Yes
Small infectious waste ⁽²⁾	Infectious waste (may also accept certain non-infectious waste)	No

(1) Incinerators designed to accept less than 10 tons per day (329 IAC 11-9-2).

(2) Incinerators designed to accept less than 7 tons per day (329 IAC 11-9-2).

Restricted waste landfills can accept only materials specified in their landfill permits as determined by the classification criteria in 329 IAC 10-9-4. Coal combustion by-products comprise the largest portion of the waste tonnage disposed at restricted waste landfills. Like restricted waste sites, **nonmunicipal solid waste landfills** can accept only materials specified in their landfill permits.

But nonmunicipal solid waste landfills have more stringent design standards than restricted waste sites. All of Indiana's nonmunicipal solid waste landfills are currently captive facilities and therefore, are not available for public use.

In addition to the facility standards discussed here, each individual site may dispose of other materials not included in the above definitions according to their individual permits.

Processing Facilities

The term *incinerator* is broadly defined as an engineered facility designed for the burning of solid waste under controlled conditions. As Table 4 shows, incinerators in Indiana are categorized and regulated as either **solid waste incinerators** or **infectious waste incinerators**.

Solid waste incinerators with a design capacity of at least 10 tons per day and infectious waste incinerators with a design capacity of at least 7 tons per day must obtain a solid waste permit under Indiana solid waste rules 329 IAC 11-9 and 329 IAC 11-17. Other incinerators must notify IDEM and comply with certain operational requirements as stated in 329 IAC 11-19-2 and are deemed to be permitted.

Although incinerators are permitted and regulated under the category of processing facilities, they are considered to be final disposal facilities for planning and disposal fee purposes, as evident in statutory language. The disposal reduction goal language of P.L. 10-1990 also categorizes incineration as a final disposal method.

A **transfer station** is a facility at which solid waste is transferred from a vehicle or container to another vehicle or container for transportation purposes (329 IAC 11-2-47). Transfer stations may manage materials in other ways according to their individual permits. For example, activities at a permitted transfer station may involve only the consolidation of waste loads for further transport, or may also incorporate some form of materials recovery, during which recyclables are segregated for recycling or reuse.

Other processing facilities may include tire, paper, and medical waste processing facilities. During 1997, only one such processing facility that was not a transfer station was in operation (South Bend Waste Paper; see the "1997 Solid Waste Facility Profiles" page P85).

Accuracy of Facility Reports

IDEM conservatively estimates that municipal solid waste tonnages may be over-reported by 20 to 40 percent due to some loads of municipal solid waste being mixed with nonmunicipal solid waste, yet identified only as municipal solid waste. According to studies in other states, construction-demolition wastes alone can constitute as much as one-third of municipal solid waste. The portion of municipal solid waste that is actually special/other waste is unknown. Because of these uncertainties, caution should be

used when attempting to draw conclusions regarding exact tonnages of particular waste types.

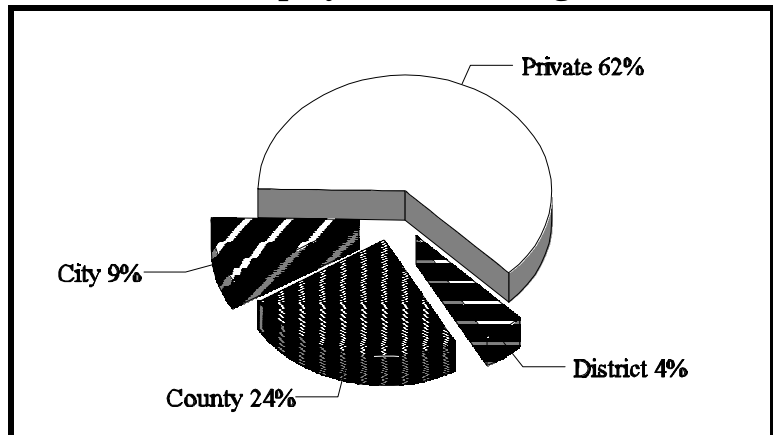
Facility Ownership

Since the facility quarterly report program began in 1991, more of Indiana MSW landfills have been privately-owned than publicly-owned (Table 3). Figure 2 shows the percentages of private and public ownership of MSW landfills in 1997.

Most construction-demolition and restricted waste sites are privately owned.

About three-fourths of Indiana's transfer stations and other permitted processing facilities are privately owned.

Figure 2. Municipal Solid Waste Landfill Ownership by Percent during 1997

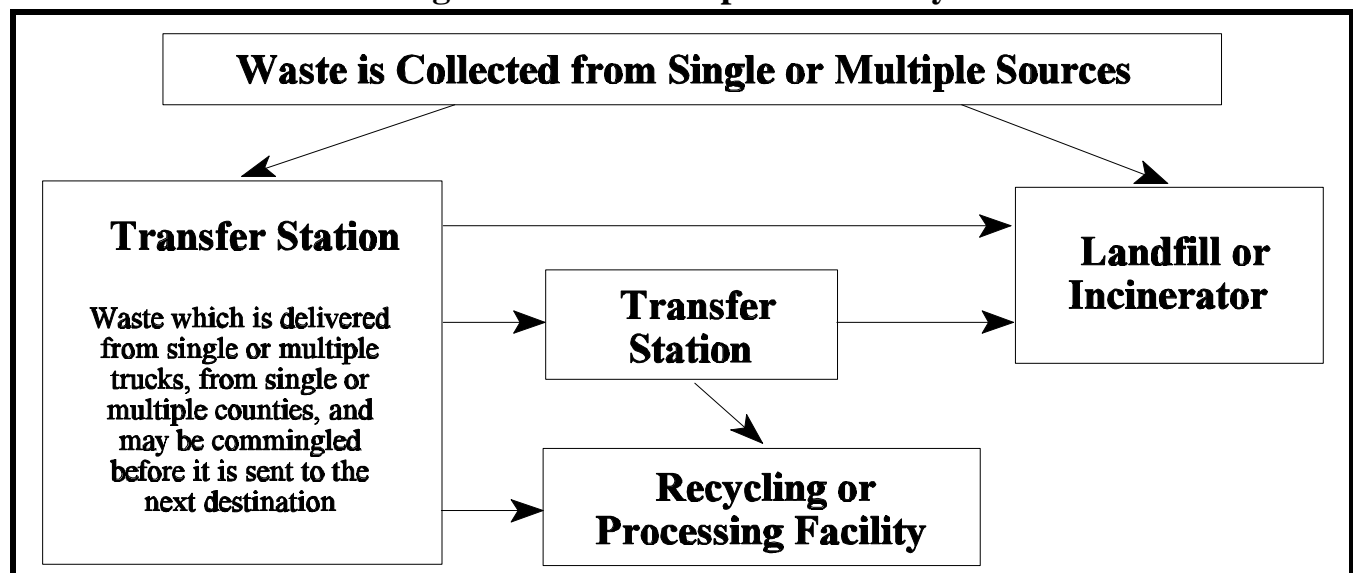


Origin of Waste

Origin of waste can be broken down by state and by county. A discussion of out-of-state waste is provided beginning on page 25.

Determination of the point of origin of waste by county is difficult due to the manner in which waste is collected and transported to landfills. Waste collection vehicles may transport the waste directly to a landfill and the hauler will report to the landfill operator the county of origin. If the waste collection routes include more than one county as points of origin, the hauler is required to report an estimated percentage of waste for each county to the landfill owner/operator. Furthermore, IDEM guidance

Figure 3. Waste Disposal Pathways



instructs land disposal facilities to list the origin of waste received from transfer stations as the county in which the transfer station is located. The extent to which this actually occurs, however, is unknown.

Some waste collection vehicles transport waste to a transfer station, where the hauler is required to report the county (or counties) of origin. The waste received at the transfer station may be commingled with waste from other waste collection vehicles. All or part of the commingled waste may then go to one or more landfills, incinerators, transfer stations, or recycling/processing facilities, where the origin typically is reported as being the county in which the transfer station is located. Figure 3 illustrates the variety of paths that waste can take after it is collected.

In summary, the county identified on some quarterly reports may not be the point of origin, but in fact a transfer point for the waste before it is delivered to the landfill.

SOLID WASTE LAND DISPOSAL FACILITIES

The data in this annual summary reflects the information provided in the solid waste facility quarterly reports as submitted to IDEM. There may be some differences between the numbers published in this summary report and previously published annual reports. The differences primarily are due to improvements in the data quality checks made by IDEM Office of Solid and Hazardous Waste Management.

Table 5 displays the amount of solid waste disposed at Indiana land disposal facilities by each reported waste type during 1997. Figure 4 displays this information by landfill type, and Figure 5 by waste type. Table 6 displays similar information from 1991 through 1997 for municipal and nonmunicipal waste. Table 7 shows waste reported to originate from Indiana only. Waste received at solid waste incinerators is discussed on page 21 in the chapter on processing facilities.

Table 5. Disposal of Solid Waste by Landfill Type and Waste Type during 1997

Waste Type	Tons of Waste Disposed				
	Municipal Solid Waste Landfills	Construction/ Demolition Landfills	Restricted Waste Landfills	Nonmunicipal Solid Waste Landfills	All Landfills
Municipal	6,957,586	0	0	2,819	6,960,405
C/D	774,043	187,725	5,200	0	966,968
Foundry	250,268	0	587,418	0	837,686
Other Special	1,797,865	0	127,556	15,154	1,940,575
Coal Ash	6,963	0	619,200	0	626,163
FGD Waste	0	0	2,401,306	0	2,401,306
Other NonMSW	68,972	0	0	18,969	87,941
TOTAL	9,855,697	187,725	3,740,680	36,942	13,821,044

Figure 4. Disposal of Solid Waste by Landfill Type during 1997

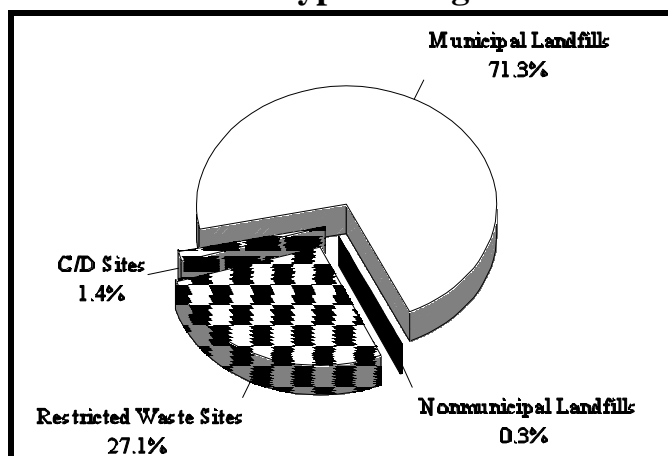
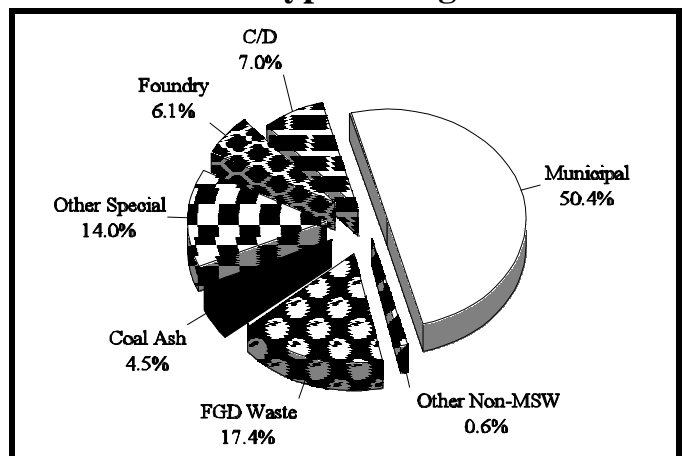


Figure 5. Disposal of Solid Waste by Waste Type during 1997



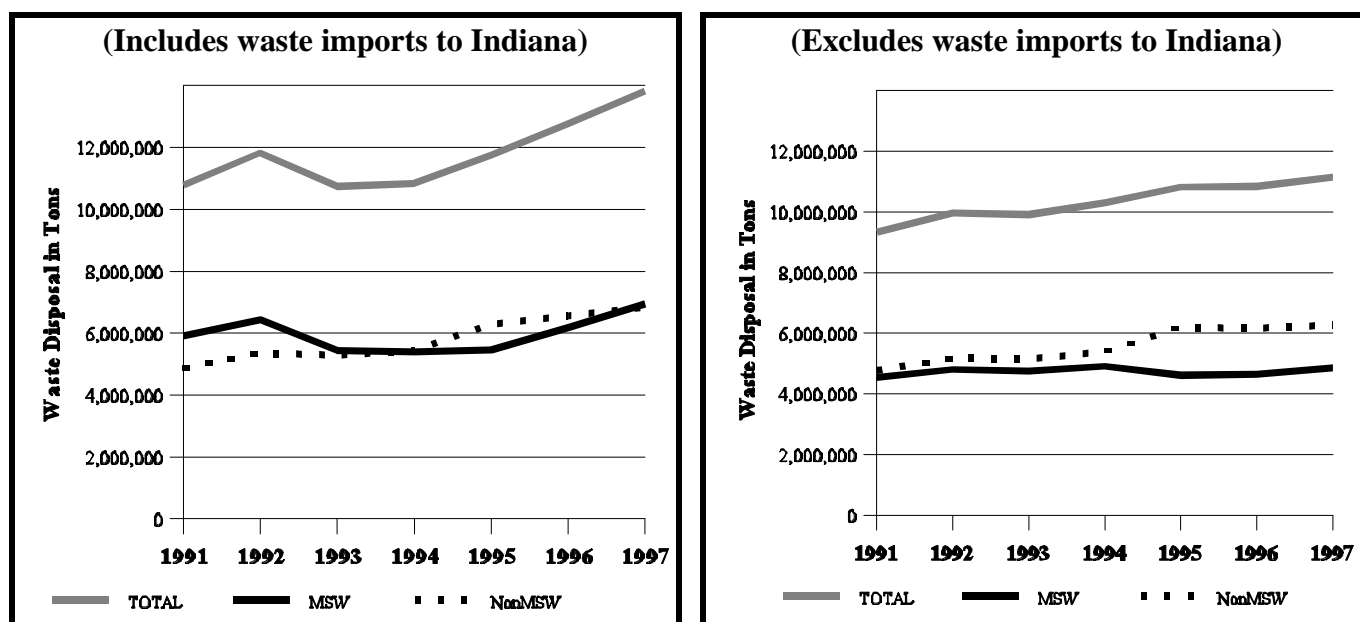
**Table 6. Annual Disposal at Solid Waste Land Disposal
Facilities by Landfill Type and Waste Type**
(Includes waste imports to Indiana)

Landfill Type	Waste Type	Tons of Waste Disposed						
		1991	1992	1993	1994	1995	1996	1997
Municipal Solid Waste Landfills	MSW	5,917,315	6,435,161	5,439,663	5,404,144	5,457,806	6,182,558	6,957,586
	NonMSW	1,479,025	1,919,670	1,966,400	1,820,831	2,277,228	2,503,407	2,898,111
	TOTAL	7,396,340	8,354,831	7,406,063	7,224,975	7,735,034	8,685,965	9,855,697
Construction/ Demolition Sites	MSW	0	0	0	0	0	0	0
	NonMSW	113,224	120,502	146,491	156,718	144,773	212,448	187,725
	TOTAL	113,224	120,502	146,491	156,718	144,773	212,448	187,725
Restricted Waste Landfills	MSW	0	0	0	0	0	0	0
	NonMSW	3,200,387	3,272,803	3,152,091	3,431,672	3,828,695	3,824,287	3,740,680
	TOTAL	3,200,387	3,272,803	3,152,091	3,431,672	3,828,695	3,824,287	3,740,680
Nonmunicipal Solid Waste Landfills	MSW	2,300	2,636	3,289	2,818	3,695	3,056	2,819
	NonMSW	80,513	65,314	33,429	34,988	33,359	28,355	34,123
	TOTAL	82,813	67,950	36,718	37,806	37,054	31,411	36,942
All Landfills	MSW	5,919,615	6,437,797	5,442,952	5,406,962	5,461,501	6,185,614	6,960,405
	NonMSW	4,873,149	5,378,289	5,298,411	5,444,209	6,284,055	6,568,497	6,860,639
	TOTAL	10,792,764	11,816,086	10,741,363	10,851,171	11,745,556	12,754,111	13,821,044

**Table 7. Annual Disposal at Solid Waste Land Disposal
Facilities by Landfill Type and Waste Type**
(Excludes waste imports to Indiana)

Landfill Type	Waste Type	Tons of Waste Disposed						
		1991	1992	1993	1994	1995	1996	1997
Municipal Solid Waste Landfills	MSW	4,555,613	4,786,065	4,746,814	4,903,029	4,616,681	4,661,109	4,856,749
	NonMSW	1,388,449	1,724,787	1,837,649	1,785,798	2,194,894	2,191,770	2,359,467
	TOTAL	5,944,062	6,510,852	6,584,463	6,688,827	6,811,575	6,852,879	7,216,216
Construction/ Demolition Sites	MSW	0	0	0	0	0	0	0
	NonMSW	113,224	120,502	146,491	153,421	137,998	135,050	148,257
	TOTAL	113,224	120,502	146,491	153,421	137,998	135,050	148,257
Restricted Waste Landfills	MSW	0	0	0	0	0	0	0
	NonMSW	3,200,387	3,272,803	3,152,091	3,431,672	3,828,695	3,824,287	3,740,680
	TOTAL	3,200,387	3,272,803	3,152,091	3,431,672	3,828,695	3,824,287	3,740,680
Nonmunicipal Solid Waste Landfills	MSW	2,300	2,636	3,289	2,818	3,695	3,056	2,819
	NonMSW	80,513	65,314	33,429	34,988	33,359	28,355	34,123
	TOTAL	82,813	67,950	36,718	37,806	37,054	31,411	36,942
All Landfills	MSW	4,557,913	4,788,701	4,750,103	4,905,847	4,620,376	4,664,165	4,859,568
	NonMSW	4,782,573	5,183,406	5,169,660	5,405,879	6,194,946	6,179,462	6,282,527
	TOTAL	9,340,486	9,972,107	9,919,763	10,311,726	10,815,322	10,843,627	11,142,095

Figure 6. Annual Disposal at All Solid Waste Land Disposal Facilities



Municipal Solid Waste Landfills

Most questions about land disposal facilities deal primarily with municipal solid waste (MSW) landfills. MSW landfills receive waste materials from residences, businesses, institutions, and industries. As a result of the wide range of waste types these landfills receive, they are built to a more stringent landfill design criteria than, for example, a construction-demolition site that accepts only construction-demolition wastes. Note that Figure 9 shows the disposal of out-of-state waste vs. Indiana waste at MSW landfills. A more detailed discussion of out-of-state waste is provided beginning on page 25.

Figure 10 shows the distribution of disposal among MSW landfills. Notice that about half (51%) of MSW landfills accepted less than 100,000 tons of solid waste.

Table 8 summarizes total disposal at individual MSW landfills during 1997. More detailed disposal data for all solid waste disposal facilities is given at the end of this report in "1997 Solid Waste Facility Profiles."

Figure 7. Disposal of Solid Waste at Municipal Solid Waste Landfills by Waste Type during 1997

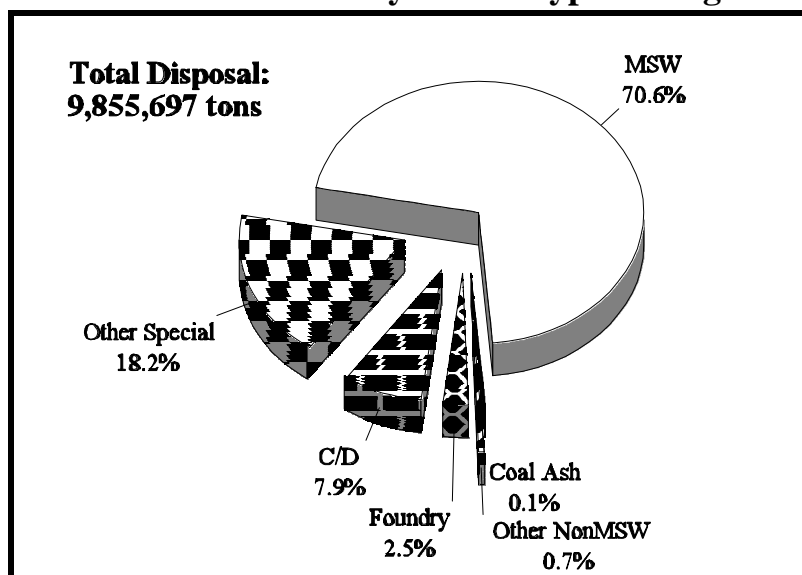


Figure 8. Annual Disposal at Municipal Solid Waste Landfills

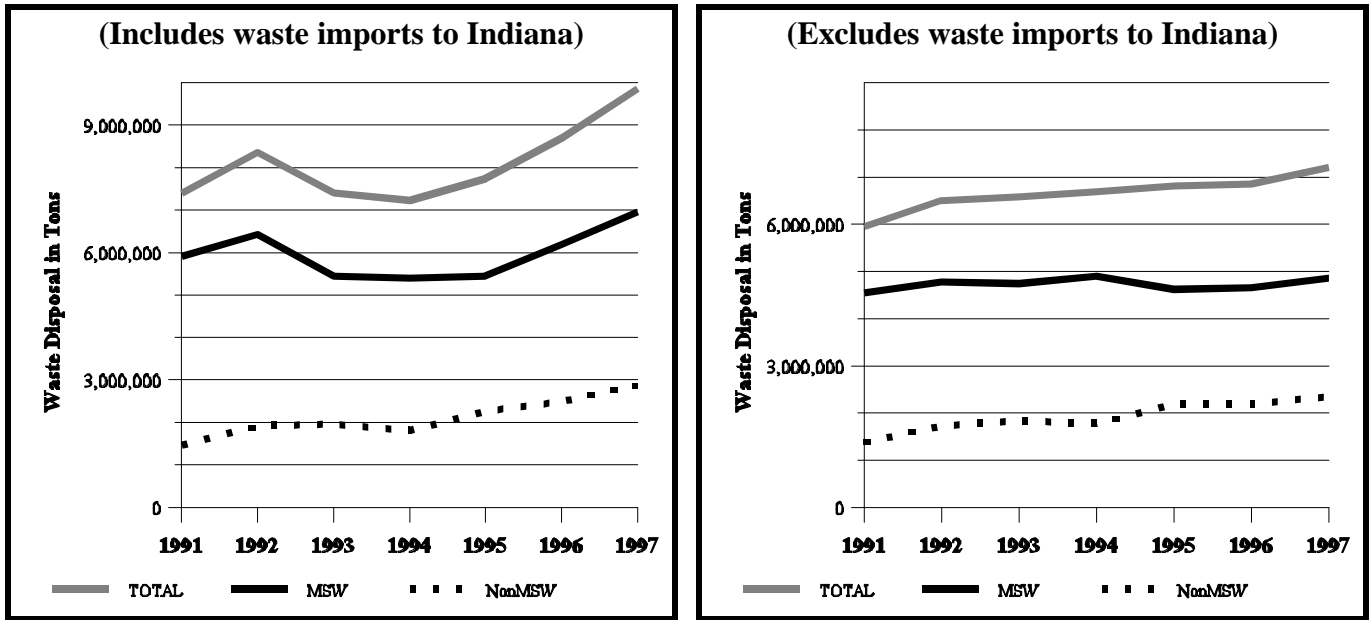


Figure 9. Annual Disposal at Municipal Solid Waste Landfills by Waste Origin

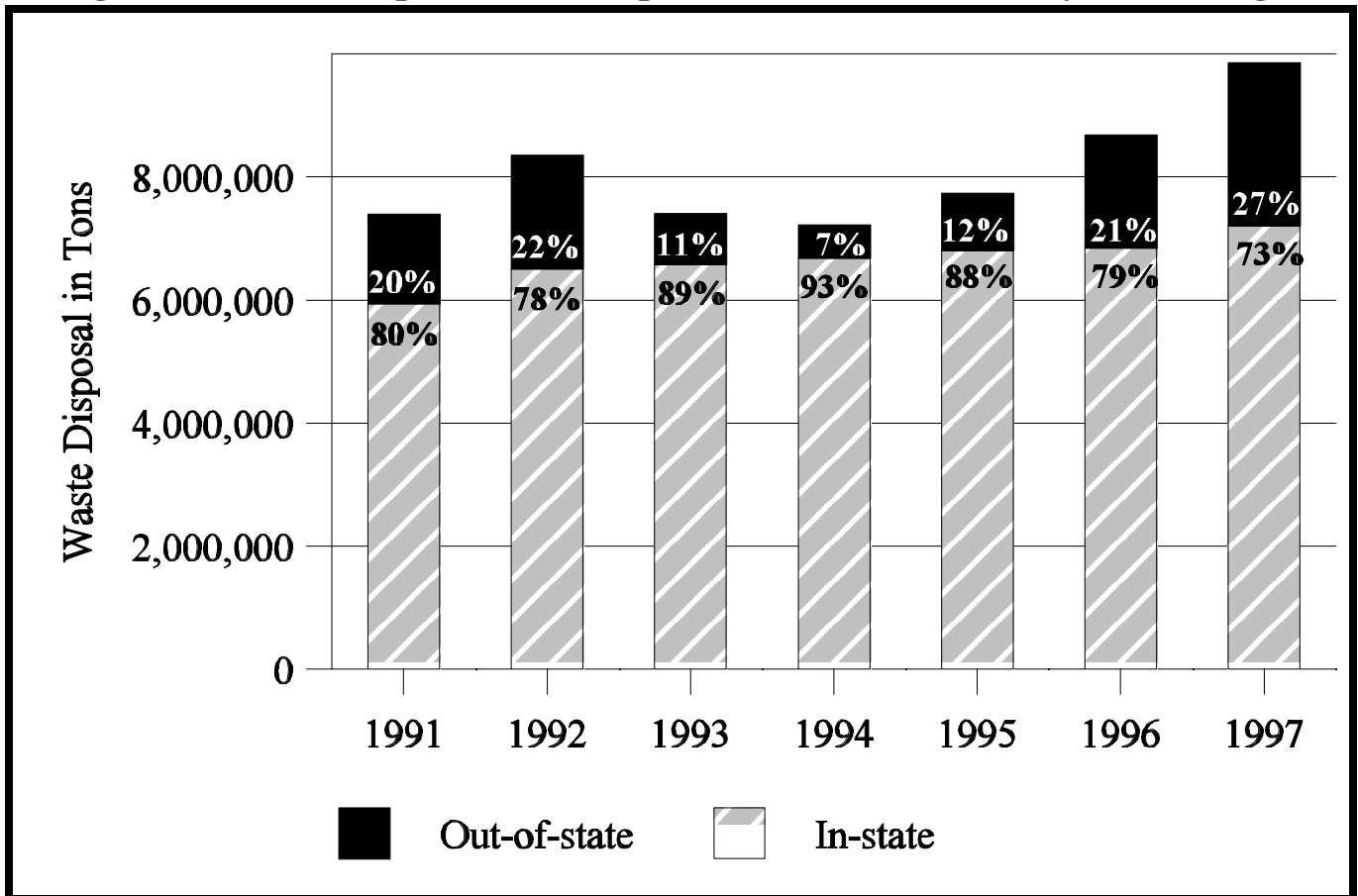


Figure 10. Distribution of Disposal at Municipal Solid Waste Landfills during 1997

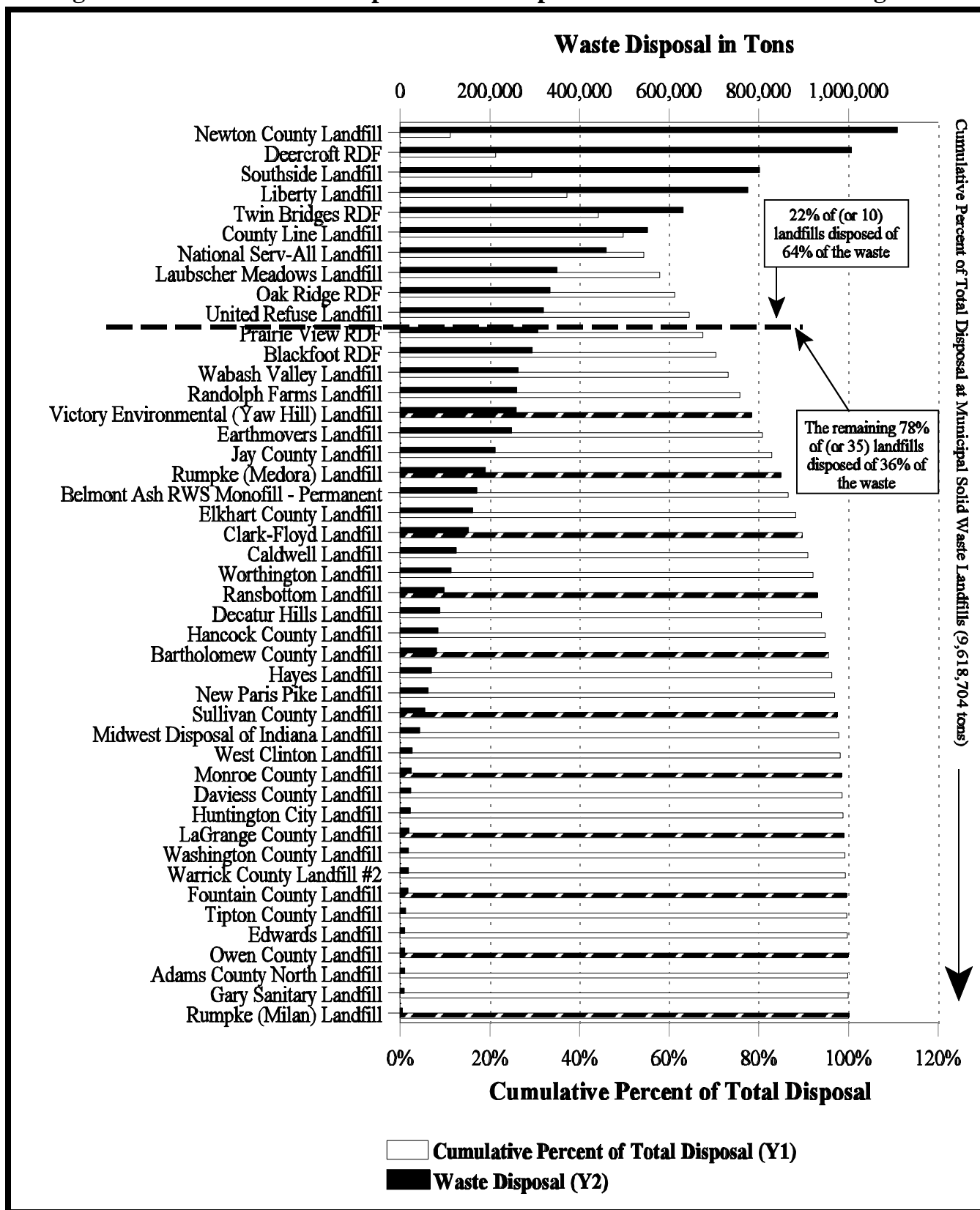


Table 8. Total Disposal at Municipal Solid Waste Landfills During 1997

County Location of Facility	Facility Name	Waste Disposal in Tons	# of Operating Days	Disposal Per Operating Day
Adams	Adams County North Landfill	8,461	277	31
Allen	National Serv-All Landfill	458,392	286	1,603
Allen	United Refuse Landfill	318,727	229	1,392
Bartholomew	Bartholomew County Landfill	79,622	306	260
Cass	Oak Ridge RDF	332,782	309	1,077
Clark	Clark-Floyd Landfill	151,205	308	491
Clinton	Midwest Disposal of Indiana, LLC	42,474	308	138
Daviess	Daviess County Landfill	22,874	307	75
Decatur	Decatur Hills Landfill	87,565	308	284
Elkhart	Earthmovers Landfill	247,069	308	802
Elkhart	Elkhart County Landfill	160,457	289	555
Fountain	Fountain County Landfill	15,757	187	84
Fulton	County Line Landfill	551,200	307	1,795
Greene	Worthington Landfill	112,626	310	363
Hancock	Hancock County Landfill	82,746	153	541
Hendricks	Twin Bridges RDF	629,947	312	2,019
Henry	Hayes Landfill	68,183	307	222
Huntington	Huntington City Landfill	21,289	298	71
Jackson	Rumpke (Medora) Landfill	189,132	311	608
Jay	Jay County Landfill	211,028	239	883
Knox	Edwards Landfill	8,662	151	57
Kosciusko	Ransbottom Landfill	96,308	306	315
La Porte	Deercroft RDF	1,006,120	310	3,246
Lagrange	LaGrange County Landfill	18,809	270	70
Lake	Gary Sanitary Landfill	8,425	26	324
Marion	Belmont Ash RWS Monofill - Permanent	169,945	311	546
Marion	Southside Landfill	800,523	308	2,599
Monroe	Monroe County Landfill	23,946	310	77
Newton	Newton County Landfill	1,108,051	307	3,609
Owen	Owen County Landfill	8,527	201	42
Pike	Blackfoot RDF	292,840	309	948
Randolph	Randolph Farms Landfill	258,337	312	828
Ripley	Rumpke (Milan) Landfill	4,057	50	81
Shelby	Caldwell Landfill	123,517	307	402
St. Joseph	Prairie View RDF	305,655	297	1,029
Sullivan	Sullivan County Landfill	54,190	257	211
Tipton	Tipton County Landfill	10,743	303	35
Vanderburgh	Laubscher Meadows Landfill	348,957	320	1,090
Vermillion	West Clinton Landfill	25,810	300	86
Vigo	Victory Environmental - Yaw Hill	257,750	307	840
Wabash	Wabash Valley Landfill	262,401	335	783
Warrick	Warrick County Landfill #2	17,609	296	59
Washington	Washington County Landfill	17,634	307	57
Wayne	New Paris Pike Landfill	60,870	250	243
White	Liberty Landfill	774,450	304	2,548
Total for all Municipal Solid Waste Landfills		9,855,672		

Other Solid Waste Land Disposal Facilities

Construction-Demolition Sites

Construction-demolition sites receive a limited range of wastes, as specified in the facility permit. They represent a relatively small amount of the total waste disposed in Indiana, as shown previously in Figure 4. Traditionally, construction-demolition sites have not received a significant amount of out-of-state waste. Some waste was imported to Indiana in 1994 and 1995, as shown in Figure 11. In 1996, however, the amount of out-of-state waste received at construction-demolition sites increased from 5 to 36 percent. A lower but similar percentage of out-of-state C/D waste (24%) was received by construction-demolition sites during 1997. Table 9 provides a listing of the construction-demolition landfills and the total amount of waste each facility received in 1997.

Figure 11. Annual Disposal at Construction-Demolition Sites by Waste Origin

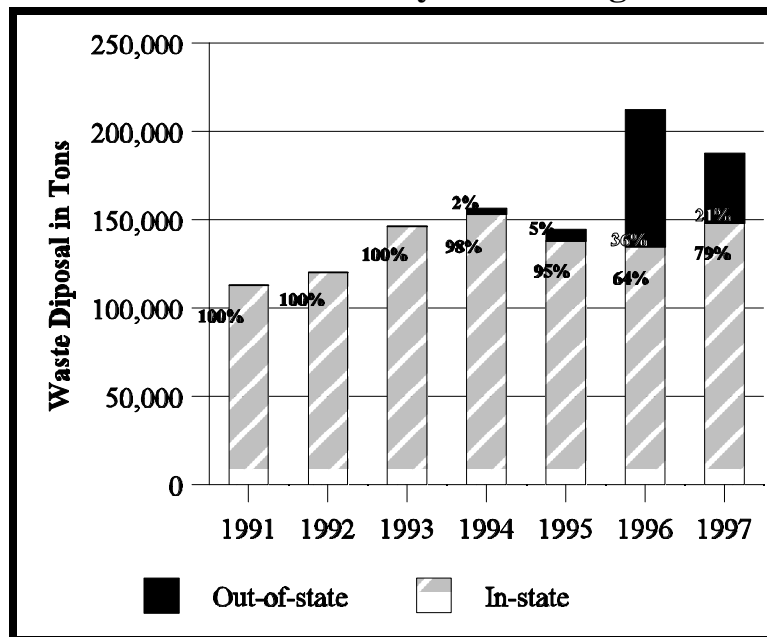


Table 9. Total Disposal at Construction-Demolition Sites during 1997

County Location of Facility	Facility Name	Waste Disposal In Tons
Allen	M & M C/D Site	2,643
Elkhart	County Road 45 Pit C/D Site	45,452
Lake	Feddeler C/D Site	64,915
Madison	Industrial Removal C/D Site	11,302
Marion	Dorsey Paving C/D Site	3,598
Monroe	Anderson Road C/D Site	18,411
Posey	Springfield Environmental C/D Site	15,397
Vanderburgh	Crowe Wrecking Company C/D Site	1,980
Vermillion	West Clinton II C/D Site	11,953
Wayne	New Paris Pike C/D Site	12,074
Total for All Construction-Demolition Landfills:		187,725

Restricted Waste Landfills

Restricted waste landfills also receive a limited range of wastes, as specified in the facility permit. Most sites are ash, sludge, or foundry monofills. A large number of the landfills are monofills that receive coal combustion wastes from power plants. These coal combustion wastes accounted for 81 percent of the total tonnage disposed at restricted waste landfills in 1997 (Figure 12). Note that prior to 1996, coal combustion wastes were not individually reported waste types on the solid waste facility quarterly reporting program. Before 1996, the amount of coal-related wastes disposed was estimated based on the

amount of waste received at specific types of restricted waste sites related to coal combustion.

The total waste disposed each year in restricted waste landfills is much larger than the amount received at construction-demolition landfills, although not as large as the amount of waste received by municipal solid waste landfills (Figure 4).

No restricted waste landfills have reported receiving out-of-state waste since 1991. Table 10 provides a listing of the restricted waste landfills and the total amount of waste each facility received during 1997.

Figure 12. Annual Disposal at Restricted Waste Landfills by Waste Type

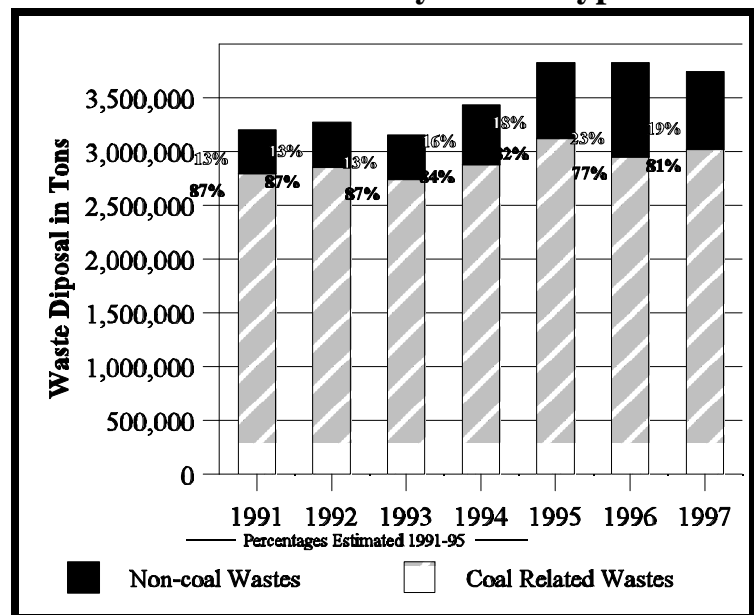


Table 10. Total Disposal at Restricted Waste Landfills during 1997

County Location of Facility	Facility Name	Waste Disposal In Tons
Bartholomew	City Garage Site RWS III	70,311
De Kalb	Auburn Foundry RWS III	106,671
Fountain	Harrison Steel Cast RWS III	63,865
Gibson	Gibson Station Scrubber RWS	840,132
Hamilton	Noblesville Casting RSW III	5,156
Jasper	Schahfer FGD Sludge RWS II	118,366
Jefferson	Clifty Creek Coal Ash Disposal RWS III	72,071
Knox	Scepter Industries RWS I	34,399
Kosciusko	Dalton Foundry - RWS II	124,984
Lake	U.S. Steel - Gary Works	138,615
Marion	Belmont Sludge Ash Disposal Facility	4,355
Noble	Newman Manufacturing RWS III	38,215
Perry	Waupaca Foundry RWS III	36,793
Pike	Petersburg Generating Station RWS III	597,356
Porter	Yard 520 RWS II	14,546
Posey	McCarty RWS III	28,207
Posey	SIGECO Filter Cake Disposal RWS III	345,593
Spencer	Rockport Plant Ash RWS II	9,318
Sullivan	Merom Station RWS II	994,919
Wabash	Ford Meter Box RWS II	2,808
Wabash	Wabash Alloys RWS I	94,000
Total for All Restricted Waste Landfills:		3,740,680

Nonmunicipal Solid Waste Landfills

The 1996 rules introduced the terms municipal solid waste (MSW) landfill and nonmunicipal solid waste (NonMSW) landfill, which have been used throughout this report. In previous reports, NonMSW landfills were grouped with MSW landfills under the general heading of “sanitary landfills.” MSW landfills were discussed earlier in this section. There are only a few NonMSW landfills in Indiana and currently all are captive facilities and therefore, are not available for public use. Table 11 provides a listing of the nonmunicipal solid waste landfills and the total amount of waste each facility received during 1997.

Table 11. Total Disposal at Nonmunicipal Solid Waste Landfills during 1997

County Location of Facility	Facility Name	Waste Disposal In Tons
Martin	Crane NSWC Landfill	2,926
Monroe	Dillman Road WWTP Landfill	6,908
Vermillion	Inland Container Industrial Waste Site	12,237
Warrick	ALCOA Sanitary Landfill	14,871
Total for All Nonmunicipal Solid Waste Landfills:		36,942

SOLID WASTE PROCESSING FACILITIES

Solid waste processing facilities include:

- # solid waste incinerators;
- # transfer stations; and
- # other processing facilities.

Table 12 displays the amount of solid waste received by permitted Indiana incinerators (excluding small incinerators) and transfer stations by each reported waste type during 1997. Table 13 displays similar information from 1991 through 1997 for municipal and nonmunicipal waste. More detailed data for all solid waste processing facilities is given at the end of this report in "1997 Solid Waste Facility Profiles." Other processing facilities are discussed later in this section.

Table 12. Solid Waste Received by Processing Facilities by Waste Type during 1997

Waste Type	Tons of Waste Disposed	
	Incinerators ¹	Transfer Stations
Municipal	681,147	1,522,361
C/D	0	397,595
Foundry	0	0
Other Special	28,183	477
Coal Ash	0	0
FGD Waste	0	0
Other NonMSW	0	6,825
TOTAL	709,330	1,927,258

Table 13. Annual Amount of Solid Waste Received by Processing Facility Type and Waste Type

(Includes waste imports to Indiana)

Landfill Type	Waste Type	Tons of Waste Received						
		1991	1992	1993	1994	1995	1996	1997
Incinerators¹	MSW	672,616	691,546	731,929	687,198	6,682,249	689,859	681,147
	NonMSW	23,672	34,858	33,736	21,198	22,439	22,839	28,183
	TOTAL	696,288	726,404	765,665	708,396	6,704,688	712,698	709,330
Transfer Stations	MSW	774,589	873,466	981,681	1,210,393	1,409,747	1,434,712	1,522,361
	NonMSW	139,886	188,653	232,438	206,450	184,807	291,183	404,897
	TOTAL	914,475	1,062,119	1,214,119	1,416,843	1,594,554	1,725,895	1,927,258

Solid Waste Incinerators

For reporting and permitting purposes, solid waste incinerators are regarded as processing facilities. For solid waste planning and fee purposes, incinerators are considered as final disposal facilities. Table 14 provides a list of the permitted solid waste incinerators which operated in 1997 and the total amount of solid waste received by these facilities. The list does not include more than 200 small-capacity incinerators currently operating and deemed permitted in Indiana that are not required to report to IDEM (329 IAC 11-9-2).

¹ Does not include incinerators receiving less than 10 ton/day of solid waste, or less than 7 tons/day of infectious waste.

Table 14. Total Waste Received at Incinerators during 1997

(does not include hospital incinerators)

County Location of Facility	Facility Name	Waste Received In Tons
Marion	Indianapolis Resource Recovery Facility	681,027
Marion	St. Vincent Hospital Incinerator	1,701
Posey	General Electric Ultem Thermal Oxidizer System	26,602
Total for All Incinerators:		709,330

As Table 14 shows, the Indianapolis Resource Recovery Facility received the greatest amount of waste of any permitted incinerator. The tonnage received annually at this facility is roughly equivalent to 5 percent of the total tonnage of waste either disposed or incinerated in Indiana. From the waste received by the Indianapolis Resource Recovery Facility during 1997, there were 169,945 tons of ash produced and delivered to the Belmont Ash Monofill for disposal.

Transfer Stations

Transfer stations are facilities that allow waste from individual collection vehicles to be offloaded and then reloaded into larger vehicles for transport to final disposal facilities. Some transfer stations recover recyclable materials to be sent to processing or recycling facilities.

The accountability for differences in incoming and outgoing waste at transfer stations has improved over the years. Although for the first few years of quarterly reporting there was no mechanism to track such differences, reporting forms have been improved since to include material recovery. Facilities are also required to submit a written explanation if the difference in tonnages is due to a reason other than materials recovery. In most instances, differences in incoming and outgoing tonnages are the result of materials recovery or differences in volume-to-tons conversions.

As discussed on page 7, it is also difficult to track the true origin of waste. Waste collection vehicles may

Figure 13. Transfer Station Waste Management

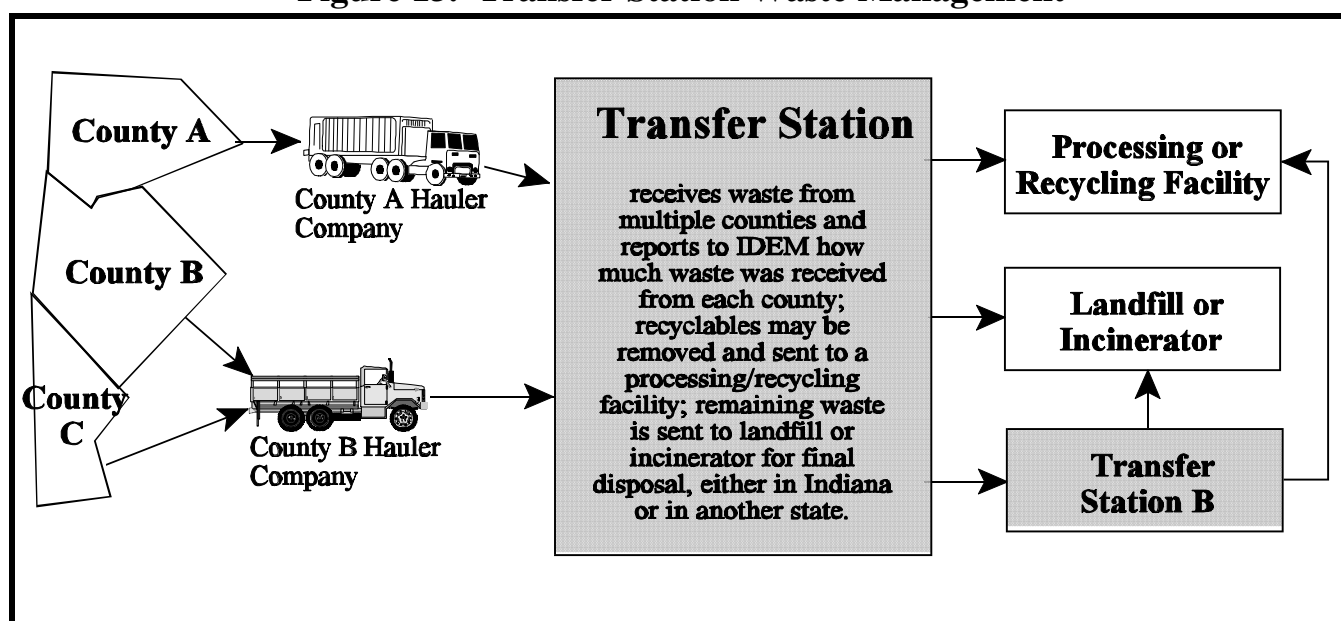


Table 15. Destination of Waste Sent from Transfer Stations for Final Disposal

Year	Total Tons Sent To All Facilities	To Indiana Facilities		To Out-of-State Facilities	
		Tonnage	% of Total	Tonnage	% of Total
1991	821,417	770,609	94%	50,808	6%
1992	987,797	971,031	98%	16,766	2%
1993	1,161,036	1,107,576	95%	53,460	5%
1994	1,347,550	1,200,340	89%	147,210	11%
1995	1,547,478	1,372,298	89%	175,180	11%
1996	1,683,462	1,512,391	90%	171,071	10%
1997	1,890,153	1,684,731	89%	205,422	11%

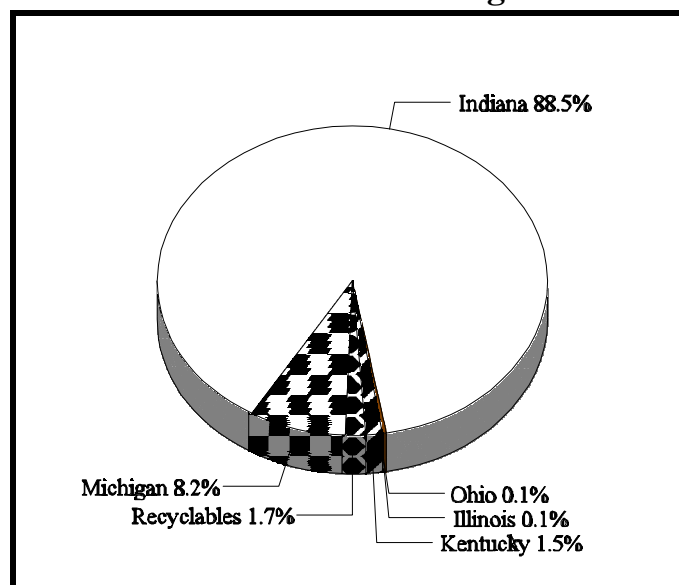
transport the waste directly to a landfill or they may take waste to a transfer station. A landfill receiving waste from a transfer station is instructed to document the waste as originating from the county in which the transfer station is located, regardless of whether any of the waste was generated in that county. The issue is further complicated when the transfer station receives waste from two or more counties, mixes the loads in a central location, removes various recyclables, then transports the waste to two or more landfills, another transfer station and/or a recycling facility. Figure 13 illustrates how the tonnage received from the counties may be known, but the waste sent for final disposal or processing may not directly identify the point of origin.

Quarterly reports from transfer stations currently provide the only source of systematic information on the amount of waste exported by Indiana. Table 15 shows the amount of waste sent out-of-state from transfer stations as compared to the amount of waste sent to Indiana final disposal facilities during 1991 to 1997. Figure 14 shows a more detailed breakdown of the destination information for 1997. This information does not provide a complete picture of Indiana waste exports, because the totals in Table 15 are based only on information obtained from processing facility quarterly reports. The amount of waste hauled directly from an Indiana residence or business to an out-of-state destination is not adequately known due to reporting limitations.

More detailed data for transfer stations is given at the end of this report in “1997 Solid Waste Facility Profiles.”

Other Processing Facilities

Other processing facilities permitted by IDEM could include paper, tire, and medical waste processing facilities. During 1997, only one such processing facility was in operation: South Bend Waste Paper (see the “1997 Solid Waste Facility Profiles” page P85).

Figure 14. Destination of Waste Sent from Transfer Stations during 1997

OUT-OF-STATE WASTE

Solid waste imported to Indiana from out-of-state sources can be received at landfills, incinerators, or transfer stations. The following discussion focuses on data for all facilities which have received out-of-state waste, with the exception of paper, tire, and medical processing facilities. These three types of processing facilities have received only small amounts of out-of-state waste, and therefore are not included in the following discussion. Tonnage data for each of these facilities can be found at the end of this report in "1997 Solid Waste Facility Profiles."

Since 1992, the predominant states of origin for solid waste imports have been the four contiguous states (Illinois, Michigan, Ohio, and Kentucky). As Figure 15 shows, the portion of out-of-state waste originating from East Coast and other non-contiguous states has decreased dramatically since 1991, and by 1995 accounted for less than 1 percent of Indiana's total imports. Figure 15 also shows that despite a significant drop in the amount of out-of-state waste received by Indiana facilities from 1992 to 1994, waste imports increased significantly in 1995 and doubled in 1996. Out-of state waste received by Indiana facilities increased further from 1996 to 1997 by 37 percent to their highest level in the last seven years (almost 2.7 million tons). In fact, in 1997, out-of-state waste accounted for 19 percent of the waste disposed at Indiana's landfills and 27 percent of the waste disposed in MSW landfills.

Figure 15. Annual Waste Imports by Region of Origin

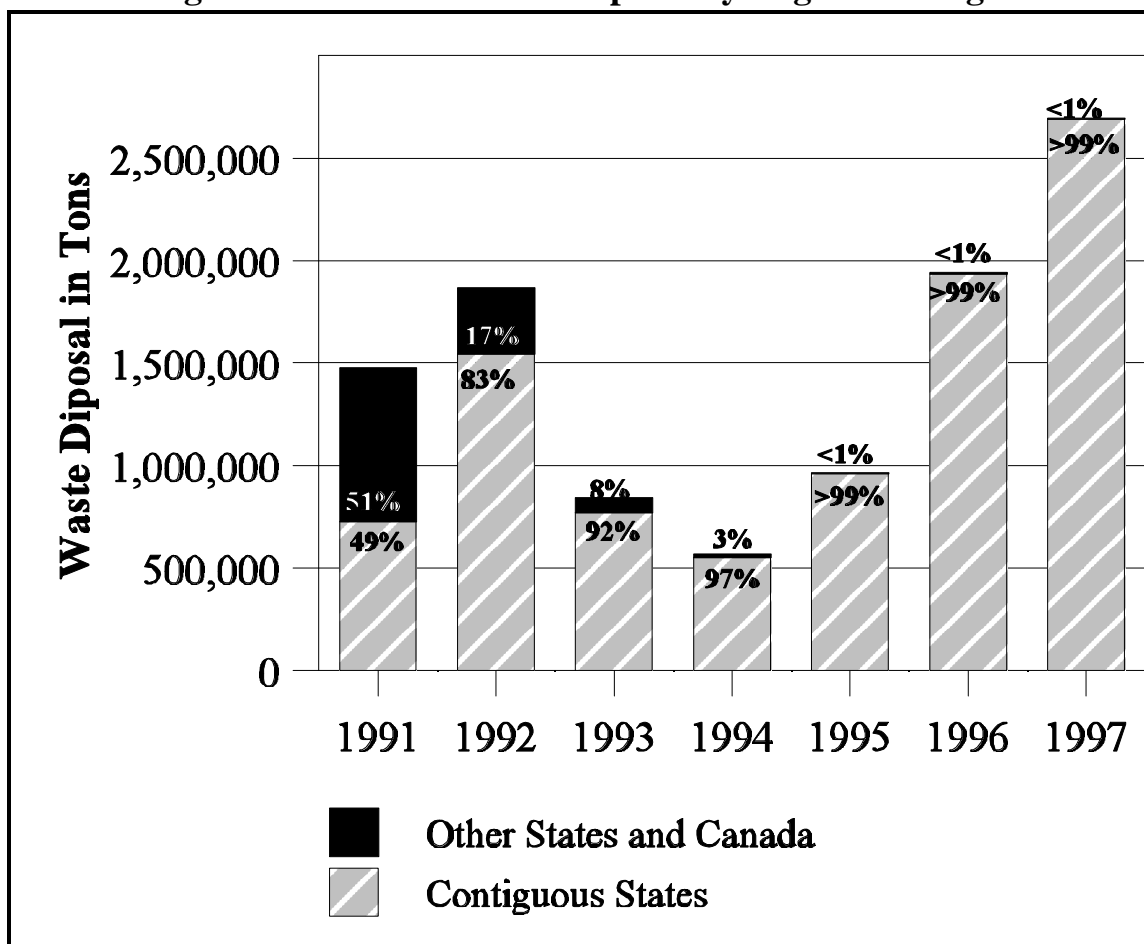


Table 16. Out-of-State Waste Received during 1997

#State County Name	Tons Received	Total Tons: 2,695,974	
#Illinois	2,435,357	Hart	1
Champaign	9	Henderson	70,533
Clark	664	Henry	22
Clay	324	Jefferson	4,878
Cook	2,372,088	Meade	141
Crawford	26,598	Montgomery	1
Du Page	293	Ohio	4,376
Edgar	14,494	Oldham	4
Jasper	485	#Ohio	70,398
Kankakee	15	Auglaize	266
Lake	13	Butler	53
Lawrence	702	Cuyahoga	243
Richland	2,202	Darke	43,415
Tazewell	149	Defiance	129
Vermilion	83	Hamilton	717
Wabash	6,862	Lucas	340
White	2	Mahoning	25
Will	10,374	Mercer	4,696
#Kentucky	161,164	Montgomery	171
Breckinridge	8	Paulding	645
Daviess	80,679	Shelby	1,395
Fayette	498	Van Wert	18,199
Hardin	23	Williams	104
		#Michigan	26,402
		Berrien	3,685
		Branch	10,600
		Cass	8,792
		Genesee	172
		Kent	29
		Lenawee	15
		St. Joseph	3,090
		UNKNOWN	19
		#Georgia	1,082
		Fulton	2
		Troup	1,080
		#Wisconsin	700
		Milwaukee	688
		Winnebago	12
		#Missouri	517
		Jackson	342
		St. Charles	15
		St. Louis	160
		#Nevada	313
		Storey	313
		#New York	41
		Kings	41

Table 16 details the state origin and amount of out-of-state waste received at Indiana solid waste facilities during 1997. Figure 16 shows this information from 1991 through 1997. Illinois has been historically the largest source of waste imported to Indiana. In 1997, Illinois waste accounted for more than 90 percent of the out-of-state received by Indiana solid waste facilities. Nearly all of that waste came from the Chicago area.

Table 17 displays the amount of out-of-state waste received by Indiana's permitted solid waste facilities by each reported waste type during 1997. Table 18 displays similar information from 1991 through 1997 for municipal and nonmunicipal waste. MSW landfills have consistently received most of the waste imported from other states. Figure 17 shows that municipal solid waste has historically accounted for the largest percentage of waste imports. However, nonmunicipal waste imports have risen considerably since 1995.

Figure 18 shows the distribution of the disposal of out-of-state waste among Indiana land disposal facilities. As Figure 18 shows, a relatively few number of facilities disposed of the majority of imported waste. Of the twenty-three final disposal facilities (22 landfills and 1 incinerator) that received out-of-state waste during 1997, four landfills disposed of four-fifths of the imported waste. In addition, almost all of the imported waste received by these four facilities was from Illinois.

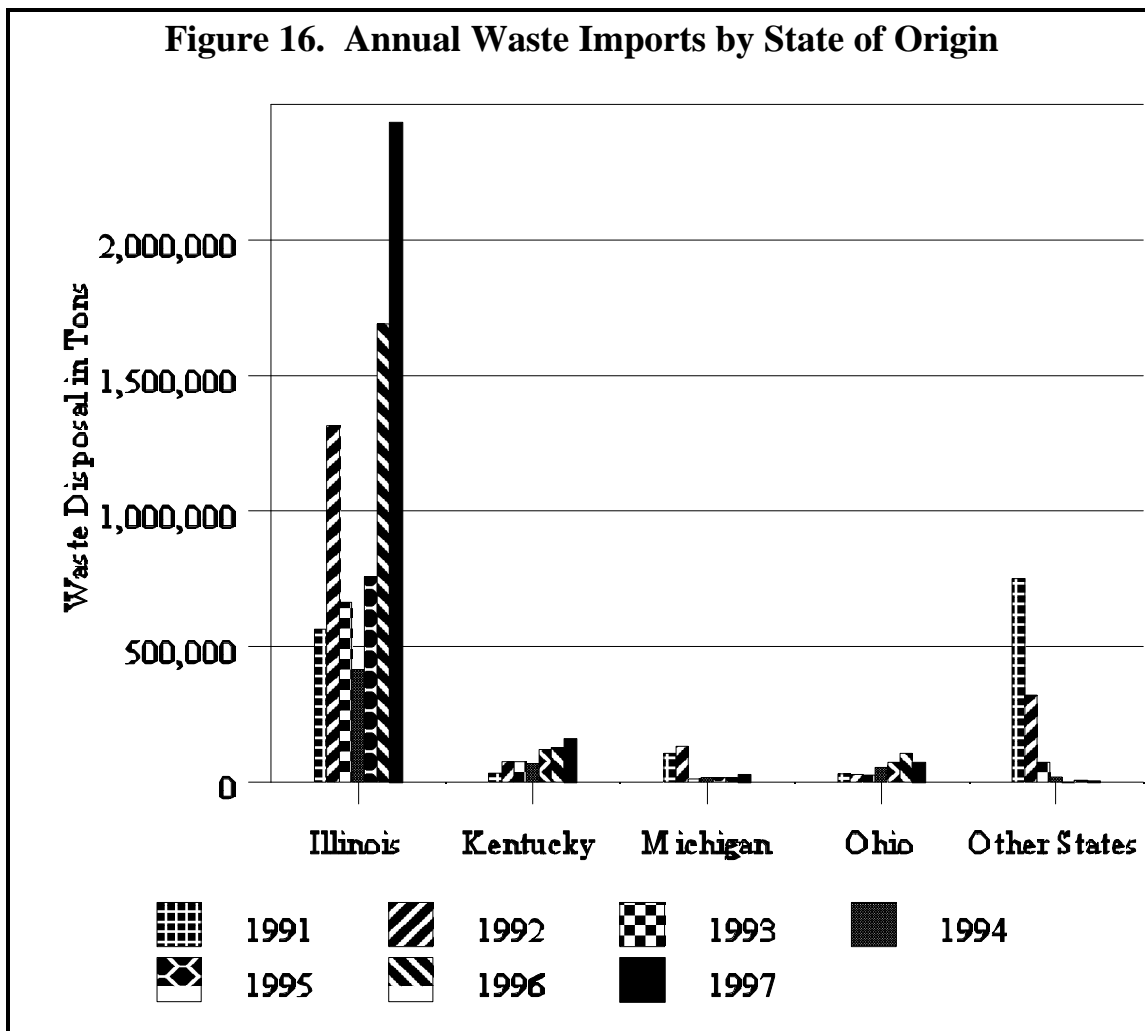


Table 17. Amount of Out-of-State Waste Received by Solid Waste Facilities by Facility Type and Waste Type during 1997

Waste Type	Tons of Waste Disposed				
	Municipal Solid Waste Landfills	Construction/Demolition Landfills	Incinerators	Transfer Stations ¹	All Facilities
Municipal	2,100,837	0	5,228	10,448	2,116,513
C/D	210,262	39,468	0	519	250,249
Foundry	9,265	0	0	0	9,265
Other Special	319,092	0	855	0	319,947
Coal Ash	0	0	0	0	0
FGD Waste	0	0	0	0	0
Other NonMSW	0	0	0	0	0
TOTAL	2,639,456	39,468	6,083	10,967	2,695,974

¹ No processing facilities other than transfer stations received out-of-state waste during 1997.

Table 20 summarizes the annual amount of out-of-state waste received by Indiana's solid waste facilities during 1997. Table 21 provides a detailed look at the amount of waste that these facilities received from each state.

Although Indiana imports a considerable amount of solid waste, it also exports waste, primarily to contiguous states. A brief discussion of waste exports was provided in the previous section on solid waste processing facilities (see page 21).

"1997 Solid Waste Facility Profiles" at the end of this report provides more detailed summaries of waste imports to landfills, incinerators, and transfer stations.

Figure 17. Annual Amount of Out-of-State Waste Received by Solid Waste Facilities

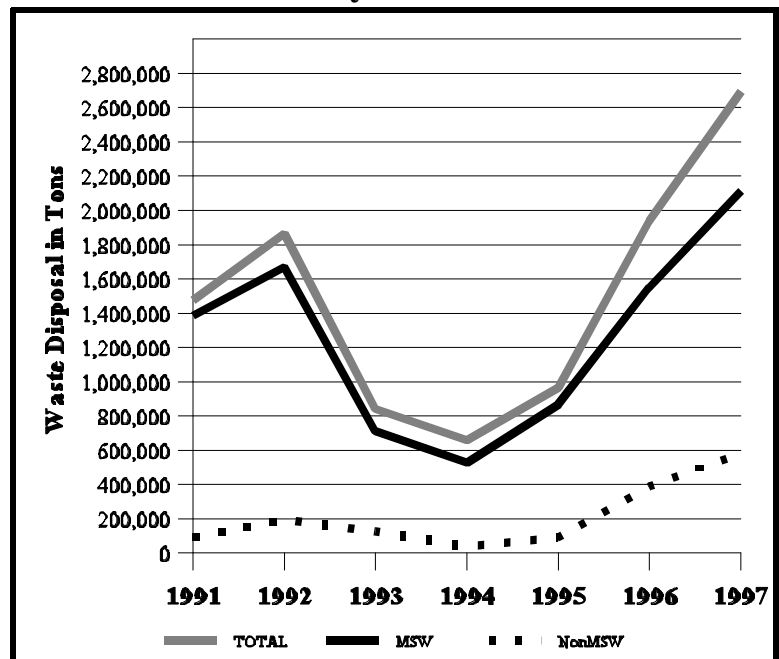


Table 19. Annual Amount of Out-of-State Waste Received by Solid Waste Facilities by Facility Type and Waste Type

Landfill Type	Waste Type	Tons of Waste Disposed						
		1991	1992	1993	1994	1995	1996	1997
Municipal Solid Waste Landfills ⁽¹⁾	MSW	1,361,702	1,649,096	692,849	501,115	841,125	1,521,449	2,100,837
	NonMSW	90,576	194,883	128,751	35,033	82,334	311,637	538,619
	TOTAL	1,452,278	1,843,979	821,600	536,148	923,459	1,833,086	2,639,456
Construction/Demolition Sites	MSW	0	0	0	0	0	0	0
	NonMSW	0	0	0	3,297	6,775	77,398	39,468
	TOTAL	0	0	0	3,297	6,775	77,398	39,468
Incinerators (nonhospital)	MSW	412	2,488	1,119	2,409	2,560	7,777	5,228
	NonMSW	483	270	0	0	171	599	855
	TOTAL	895	2,758	1,119	2,409	2,731	8,376	6,083
Transfer Stations ⁽²⁾	MSW	24,383	19,454	18,118	26,898	24,202	22,604	10,448
	NonMSW	65	27	367	640	6,621	604	519
	TOTAL	24,448	19,481	18,485	27,538	30,823	23,208	10,967
All Facilities	MSW	1,386,497	1,671,038	712,086	530,422	867,887	1,551,830	2,116,513
	NonMSW	91,124	195,180	129,118	38,970	95,901	390,238	579,461
	TOTAL	1,477,621	1,866,218	841,204	569,392	963,788	1,942,068	2,695,974

(1) This reflects only the tonnages of out-of-state waste that were shipped directly to MSW landfills. Most of the out-of-state waste received by transfer stations was sent to Indiana MSW landfills for final disposal. However, these MSW landfills reported the origin of this out-of-state waste as the county in which the transfer station was located, rather than the state in which the waste originated, in accordance with IDEM guidance.

(2) The majority of this waste was sent to Indiana final disposal facilities.

Figure 18. Distribution of Disposal of Out-of-State Waste Received at Indiana Final Disposal Facilities during 1997

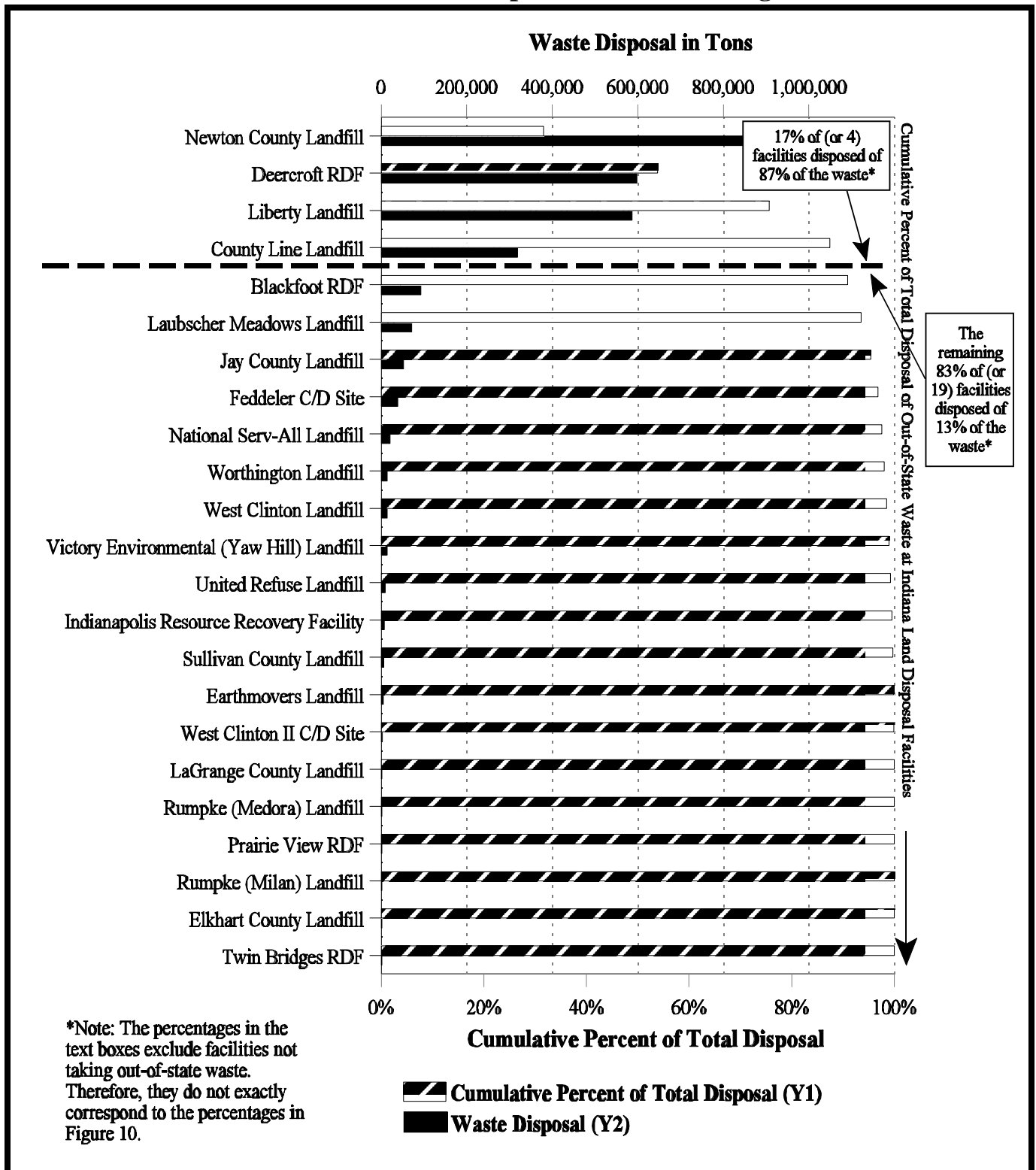


Table 19. Total Out-of-State Waste Received by Facility during 1997

County Location of Facility	Facility Name	Type of Facility	Tons of Out-of-State Waste Received
Allen	National Serv-All Landfill	MSW Landfill	19,686
Allen	United Refuse Landfill	MSW Landfill	8,768
Clark	Bi-Co Transfer Station	Transfer Station	4,409
De Kalb	Merritt Processing Facility	Transfer Station	84
Dubois	Huntingburg Transfer Station	Transfer Station	44
Elkhart	Earthmovers Landfill	MSW Landfill	4,315
Elkhart	Elkhart County Landfill	MSW Landfill	35
Fulton	County Line Landfill	MSW Landfill	317,295
Greene	Worthington Landfill	MSW Landfill	13,146
Harrison	Gray Disposal Service Transfer Station	Transfer Station	149
Hendricks	Twin Bridges RDF	MSW Landfill	9
Jackson	Rumpke (Medora) Landfill	MSW Landfill	494
Jay	Jay County Landfill	MSW Landfill	51,107
Knox	Big T Disposal Transfer Station	Transfer Station	140
La Porte	Deercroft RDF	MSW Landfill	596,277
Lagrange	LaGrange County Landfill	MSW Landfill	573
Lagrange	Scott Recycling Facility	Transfer Station	1,936
Lake	Feddeler C/D Site	Construction / Demolition Site	37,506
Lake	Illiana Resource Recovery and Transfer	Transfer Station	628
Lake	Service Waste Recycle/Transfer Station	Transfer Station	702
Marion	Indianapolis Resource Recovery Facility	Incinerator	6,083
Newton	Newton County Landfill	MSW Landfill	849,324
Noble	Kendallville Iron & Metal, Inc.	Transfer Station	24
Pike	Blackfoot RDF	MSW Landfill	91,785
Porter	Able Disposal Recycling and Transfer Station	Transfer Station	2,275
Ripley	Rumpke (Milan) Landfill	MSW Landfill	117
St. Joseph	Prairie View RDF	MSW Landfill	254
Sullivan	Sullivan County Landfill	MSW Landfill	5,378
Vanderburgh	Laubscher Meadows Landfill	MSW Landfill	70,048
Vanderburgh	Materials Recycling and Transfer Station	Transfer Station	576
Vermillion	West Clinton II C/D Site	Construction / Demolition Site	1,962
Vermillion	West Clinton Landfill	MSW Landfill	12,531
Vigo	Victory Environmental (Yaw Hill) Landfill	MSW Landfill	12,508
White	Liberty Landfill	MSW Landfill	585,806
Total for All Facilities:			2,695,974

Figure 19. Origin of Waste Disposed and Incinerated in Indiana during 1997

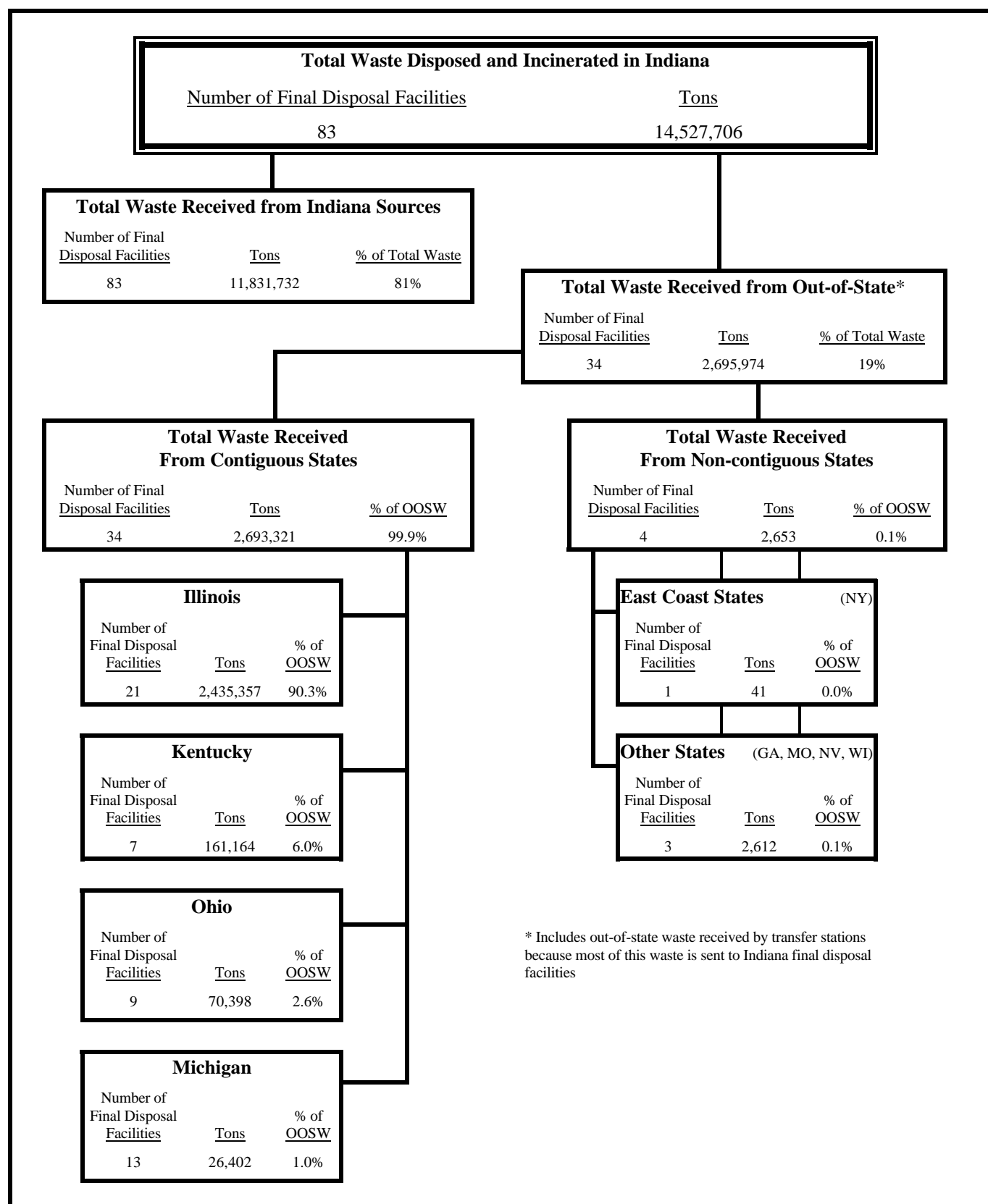


Table 20. Out-of-State Waste Received by Indiana Solid Waste Facilities during 1997

County Name	Facility Name	Facility Type	Contiguous States				Other States					Total Tons	
			IL	KY	MI	OH	GA	MO	NV	NY	WI		
Allen	National Serv-All Landfill	MSW Landfill			7,148	12,538						19,686	0.73%
Allen	United Refuse Landfill	MSW Landfill	12		3,515	5,241						8,768	0.33%
Clark	Bi-Co Transfer Station	Transfer Station		4,409								4,409	0.16%
De Kalb	Merritt Processing Facility	Transfer Station			49	35						84	0.00%
Dubois	Huntingburg Transfer Station	Transfer Station	44									44	0.00%
Elkhart	Earthmovers Landfill	MSW Landfill			4,315							4,315	0.16%
Elkhart	Elkhart County Landfill	MSW Landfill			35							35	0.00%
Fulton	County Line Landfill	MSW Landfill	317,124		171							317,295	11.77%
Greene	Worthington Landfill	MSW Landfill	13,063			83						13,146	0.49%
Harrison	Gray Disposal Service Transfer Station	Transfer Station		149								149	0.01%
Hendricks	Twin Bridges RDF	MSW Landfill	9									9	0.00%
Jackson	Rumpke (Medora) Landfill	MSW Landfill		493		1						494	0.02%
Jay	Jay County Landfill	MSW Landfill				51,107						51,107	1.90%
Knox	Big T Disposal Transfer Station	Transfer Station	140									140	0.01%
La Porte	Deercroft RDF	MSW Landfill	589,533		6,449						295	596,277	22.12%
Lagrange	LaGrange County Landfill	MSW Landfill			573							573	0.02%
Lagrange	Scott Recycling Facility	Transfer Station			1,936							1,936	0.07%
Lake	Feddeler C/D Site	Construction / Demolition Site	37,506									37,506	1.39%
Lake	Illiana Resource Recovery and Transfer	Transfer Station	628									628	0.02%
Lake	Service Waste Recycle/Transfer Station	Transfer Station	702									702	0.03%
Marion	Indianapolis Resource Recovery Facility	Incinerator	1,819	524	187	1,251	1,082	502	313		405	6,083	0.23%
Newton	Newton County Landfill	MSW Landfill	849,324									849,324	31.50%
Noble	Kendallville Iron & Metal, Inc.	Transfer Station			24							24	0.00%
Pike	Blackfoot RDF	MSW Landfill	6,729	85,056								91,785	3.40%
Porter	Able Disposal Recycling and Transfer Station	Transfer Station	380		1,895							2,275	0.08%
Ripley	Rumpke (Milan) Landfill	MSW Landfill				117						117	0.00%
St. Joseph	Prairie View RDF	MSW Landfill	149		105							254	0.01%
Sullivan	Sullivan County Landfill	MSW Landfill	5,378									5,378	0.20%
Vanderburgh	Laubscher Meadows Landfill	MSW Landfill		70,048								70,048	2.60%
Vanderburgh	Materials Recycling and Transfer Station	Transfer Station	91	485								576	0.02%
Vermillion	West Clinton II C/D Site	Construction / Demolition Site	1,962									1,962	0.07%
Vermillion	West Clinton Landfill	MSW Landfill	12,531									12,531	0.46%
Vigo	Victory Environmental (Yaw Hill) Landfill	MSW Landfill	12,493					15				12,508	0.46%
White	Liberty Landfill	MSW Landfill	585,740			25				41		585,806	21.73%
Total for All Facilities			2,435,357	161,164	26,402	70,398	1,082	517	313	41	700	2,695,974	
			90.33%	5.98%	0.98%	2.61%	0.04%	0.02%	0.01%	0.00%	0.03%		

1997 Solid Waste Facility Profiles

(Ordered alphabetically by
county location of facility)